Fisheries Production Statistics Of British Columbia

1982

Province of British Columbia
Ministry of Environment
marine resources branch

FISHERIES PRODUCTION STATISTICS

OF BRITISH COLUMBIA

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FOREWORD

The 1982 issue of the Fisheries Production Statistics of British Columbia is the second to be published by the Province of British Columbia, Ministry of Environment. Prior to the 1981 edition, the report was published by the Department of Fisheries and Oceans dating back to 1951.

This report is a summary of the results of the 1982 census of fish processing plants registered in British Columbia. The format of the 1982 report is similar to previous years in which the majority of the text and tables document data pertaining to fish landings and production. In addition, information relating to licencing of the fishing and fish processing sectors is also reported. This year, two new tables which report regional wholesale values of fisheries production by product category and historical oyster mariculture production, have been included.

It should be noted that all data pertaining to fish landings has been provided by the Department of Fisheries and Oceans in a preliminary form and is subject to major revision.

All quantity data are presented in tonnes except where otherwise indicated, and values are shown in thousands of dollars. One tonne is equivalent to 2,204.6 pounds or 1,000 kilograms.

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I. SUMMARY OF THE BRITISH COLUMBIA FISHING INDUSTRY - 1982

The quantity of British Columbia fish landings decreased by 12 percent in 1982, from 176,051 tonnes reported in 1981 to 155,331 [1]. The value of fish landings, however, showed a slight increase from $236.2 million recorded in 1981 to $240.1 million in 1982. This represents an increase in landed value of 2 percent. Specifically the salmon and groundfish landed value showed an increase of 4 percent and 2 percent respectively, while the total halibut landed value remained virtually the same. Combined shellfish fisheries displayed a marginal decrease in landed value, while the herring landed value decreased by 6 percent.

In 1982, the total wholesale value generated by the British Columbia fish processing industry was down by 11 percent to $466.8 million from the $526.9 million recorded in 1981. This was primarily due to the decreased wholesale value of salmon production which was down by 16 percent. Total groundfish and halibut showed a downturn of 9 and 30 percent respectively. The total wholesale values of herring and shellfish production displayed marginal increases of 5 and 23 percent respectively. Approximately 60 percent of the value of fisheries products processed in British Columbia originated in the lower mainland region.

A total of 17,298 personal commercial fishing licences were issued by the Department of Fisheries and Oceans in 1982, up by less than 1 percent. 1982 marked the beginning of a new licence category in that 5 year licences were issued. A total of 1,873 of these were issued along with 15,425 of the traditional 1 year licences. Excluding packers and collectors a total of 7,470 licences were issued to commercial fishing vessels.

One hundred and thirty-one companies, including 145 plants, reported processed fish production in 1982. The Marine Resources Branch issued 205 fish processing licences, 546 fish buying licences, 73 oyster picking permits and 26 marine plant harvesting permits. The Ministry of Environment also initiated a new licence in 1982 known as the Fisherman's Vending Licence of which 345 were issued.

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[1] It should be noted that the 1981 landings data reported in last years' edition of this report have been revised.

TABLE 1 - QUANTITY AND VALUE OF B.C. FISH LANDINGS BY SPECIES - 1982 [1]

	QUANTITY LANDED (METRIC TONS)	LANDED VALUE ($'000)	WHOLESALE VALUE ($'000)
SALMON [2]	62,597	165,193	315,338
HERRING [3]	28,771	35,694	86,448
HALIBUT [4]	2,390	7,119	7,867
GROUNDFISH			
DOGFISH [5]	3,875	876	1,392
FLOUNDER	186	61	108
HAKE [6]	21,657	3,535	3,820
LINGCOD	4,041	2,439	3,685
GREY COD [7]	4,686	2,097	7,603
PACIFIC OCEAN PERCH	5,646	1,910	2,641
POLLOCK	911	228	2,084
ROCKFISH [8]	4,669	1,967	2,758
SABLEFISH [7]	4,142	6,904	7,081
SKATE	130	36	122
SOLE	2,896	1,626	4,723
TURBOT	530	110	1,182
OTHER GROUNDFISH	476 [9]	3 [9]	2,997 [10]
SUB TOTAL	53,845	21,792	40,196
SHELLFISH			
ABALONE	82 [11]	696	706
CLAMS [12]	981	827	2,343
CRABS	895	2,345	3,285
GEODUCKS	3,135	2,813	5,162
OCTOPUS	18	39	51
OYSTERS	1,579	981	1,229
SHRIMP & PRAWNS	687	2,188	3,381
OTHER SHELLFISH	198 [13]	97 [13]	579 [14]
SUB TOTAL	7,575	9,986	16,736
OTHER SPECIES			
STURGEON	8	10	16
TUNA [15]	94	264	221
OTHER	51 [16]	23 [16]	23 [17]
SUBTOTAL	153	297	260
TOTAL	155,331	240,081	466,845

TABLE 1 - CONT'D - FOOTNOTES

[1]Landings statistics are provided by the Department of Fisheries and Oceans in a preliminary form and are subject to major revision.
[2]Includes salmon roe.
[3]Includes herring spawn on kelp.
[4]Includes landings at United States ports amounting to 692 metric tons valued at $2,379,000.
[5]Estimated from catch statistics, production data and United States import data.
[6]Includes 19,616 metric tons of hake valued at $3,265,000 delivered over-the-side to foreign vessels in co-operative fishing arrangements.
[7]Reported in round weight.
[8]Includes red and rock bass, reedi, greenies, other rockfish, red snapper and silver perch.
[9]Includes mink feed and reduction fish.
[10]Includes other groundfish, portions, sticks and specialities, fish meal, n.e.s. and fish oil n.e.s.
[11]Sales slips data supplemented with logbook information.
[12]Includes horse clams.
[13]Includes scallops, sea urchins, squid, mussels, crayfish, snails and starfish.
[14]Includes sea urchins, squid, mussels and other shellfish n.e.s.
[15]Based on sales slip data. Includes approximately 15 metric tons of Canadian caught tuna delivered to United States ports valued at $42,000.
[16]Includes anchovies, eulachons, idiotfish, plankton, shad, smelt and shark.
[17]Includes anchovies, eulachons, smelt and floating kelp.

TABLE 2 - LANDED AND WHOLESALE VALUE OF FISH AND FISH PRODUCTS IN B.C.

1973 - 1982 [1]

	Excludes halibut and tuna landed by fishermen at U.S. ports and hake sold to foreign processors		Includes halibut and tuna landed by B.C. fishermen at U.S. ports and hake sold to foreign processors			
YEAR	LANDED VALUE ($'000)	WHOLESALE VALUE ($'000)	LANDED VALUE ($'000)	% CHANGE	WHOLESALE VALUE ($'000)	% CHANGE
1973	127,059	281,647	130,409	+ 74	284,997	+ 79
1974	100,282	219,758	100,976	- 23	220,452	- 23
1975	76,611	163,948	79,681	- 21	167,018	- 24
1976	138,820	294,590	141,851	+ 78	297,621	+ 78
1977	165,005	359,905	167,905	+ 18	362,556	+ 22
1978	243,731	510,667	250,805	+ 49	517,741	+ 43
1979	330,019	563,181	332,972	+ 33	566,134	+ 9
1980	180,529	402,191	184,108	- 45	405,770	- 28
1981	232,358	523,754	236,156	+ 28	526,928	+ 30
1982	234,395	461,159	240,081	+ 2	466,845	- 11

[1]Landings statistics for 1982 are provided by the Department of Fisheries and Oceans in a preliminary form and are subject to major revision.

TABLE 3 - DISTRICT CATCH BY SPECIES - 1982 [1] (LANDED WEIGHT IN TONNES)

Species	North Coast	South Coast	Fraser Area	Total	Landed Value ($'000)
Chinook	2,353	3,740	191	6,285	31,199
Sockeye	9,428	17,453	2,107	28,988	78,851
Coho	2,383	5,771	67	8,221	26,139
Pink	3,560	369	3	3,933	3,195
Chum	4,518	10,178	334	15,030	25,534
Steelhead	92	10	2	104	170
Subtotal	22,334	37,522	2,704	62,561	165,088
Salmon Roe	28	8	1	36	105
TOTAL SALMON	22,362	37,530	2,705	62,597	165,193
Herring	12,615	15,541	437	28,594	31,794
Herring Spawn on Kelp	157	20	-	177	3,900
TOTAL HERRING	12,772	15,561	437	28,771	35,694
Halibut [2]	1,447	251	-	1,698	4,740
Dogfish [3]	n/a	n/a	n/a	3,875	876
Flounder	160	26	-	186	61
Hake [4]	-	1,958	83	2,041	270
Ling Cod	925	3,114	2	4,041	2,439
Grey Cod [5]	2,348	2,338	-	4,686	2,097
Pacific Ocean Perch	4,859	787	-	5,646	1,910
Pollock	815	96	-	911	228
Rockfish [6]	2,580	2,084	5	4,669	1,967
Sablefish [5]	2,485	1,657	-	4,142	6,904
Skate	89	42	-	130	36
Soles	1,571	1,325	-	2,896	1,626
Turbot	287	243	-	530	110
Other Groundfish [7]	362	114	-	476	3
Groundfish Subtotal	16,481	13,784	90	34,229	18,527
Abalone [8]	n/a	n/a	n/a	82	696
Clams [9]	49	932	-	981	827
Geoducks	227	2,908	-	3,135	2,813
Crabs	229	404	261	895	2,345
Octopus	8	10	-	18	39
Oysters [10]	-	1,579	-	1,579	981
Shrimp and Prawns	96	421	169	687	2,188
Scallops	-	8	-	8	17
Squid	*	28	*	29	22
Other Shellfish [11]	*	160	*	161	58
Shellfish Subtotal	609	6,450	430	7,575	9,986

TABLE 3 - CONT'D

Species	North Coast	South Coast	Fraser Area	Total	Landed Value ($'000)
Anchovies	-	3	-	3	4
Eulachons	-	-	14	14	10
Smelt	2	*	2	4	8
Sturgeon	-	4	4	8	10
Tuna [12]	n/a	n/a	n/a	79	222
Other [13]	n/a	n/a	n/a	30	1
Other Subtotal	2	7	20	138	255
TOTAL	53,673	73,583	3,682	135,008	234,395

[1]Landing statistics are provided by the Department of Fisheries and Oceans in a preliminary form and are subject to major revision.
[2]Excludes 692 metric tons of halibut valued at $2,379,000 landed at U.S. ports.
[3]Estimated from catch statistics, production data and U.S. import data.
[4]Does not include 19,616 metric tons of hake valued at $3,265,000 delivered over-the-side to foreign vessels in co-operative fishing arrangements.
[5]Reported in round weight.
[6]Includes red and rock bass, reedi, greenies, other rockfish, red snapper, and silver perch.
[7]Includes mink feed and reduction fish.
[8]Sales slip data supplemented with log book information.
[9]Includes horse clams.
[10]Data supplied by the Ministry of Environment, Marine Resources Branch.
[11]Includes crayfish, mussels, snails, starfish and sea urchins.
[12]Based on sales slip data. Does not include approximately 15 metric tons of Canadian caught tuna delivered to U.S. ports valued at $42,000.
[13]Includes idiotfish, plankton, shad and shark.

Entries may not sum to total due to rounding.

*Less than 1 tonne reported.

TABLE 4 - REGIONAL WHOLESALE VALUE OF B.C. FISHERIES PRODUCTION BY PRODUCT CATEGORY 1981 - 1982 [1]

($000)

PRODUCT CATEGORY	LOWER MAINLAND		VANCOUVER IS.		SUNSHINE COAST		CENTRAL & NORTH COAST		TOTAL B.C.	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
Fresh	14,942	24,416	5,198	5,788	502	337	3,262	1,395	23,904	31,936
Frozen	91,120	106,954	23,609	33,120	541	420	44,384	46,987	159,654	187,481
Cured	58,295	62,774	9,653	9,224	21	-	27,442	30,485	95,411	102,483
Canned	144,080	78,094	8,169	1,346	-	-	85,202	47,709	237,451	127,149
Other	5,537	10,648	195	276	-	-	1,610	1,186	7,342	12,110
GRAND TOTAL	313,974	282,886	46,824	49,754	1,064	757	161,900	127,762	523,762	461,159

[1]Does not include hake over-the-side sales, and halibut and tuna landed in U.S. ports.

II. ANALYSIS BY SPECIES

A) SALMON

Salmon landings decreased significantly in 1982 compared to the previous year, down 18 percent from 76,016 to 62,597 tonnes. The total landed value, however, rose by 4 percent, from $158.2 million in 1981 to $165.2 million in 1982. Gillnet gear accounted for 27 percent of the catch, seine gear 41 percent and troll gear 32 percent. Gillnet gear landed large percentages of chum, sockeye and steelhead salmon, seine gear accounted for most of the pink landings along with large amounts of the chum and sockeye catch, while the majority of the coho and chinook landings were taken by troll gear.

The wholesale value of salmon production was down by 16 percent from $373.7 million in 1981 to $315.3 million in 1982. This occurred because of decreased landings, particularly pinks, which in turn led to a significant decrease in canned salmon production. At the same time, canned salmon production was further curtailed by the effect that a botulism scare had on the market in the early part of 1982. Overall, the wholesale value of salmon accounted for 68 percent of the total wholesale value of the British Columbia fishing industry in 1982, compared to 71 percent in 1981.

In 1982 frozen salmon contributed 49 percent to the total salmon wholesale value compared to only 29 percent in 1981. This increase was due to the fact that a significant amount of sockeye salmon was directed toward the frozen market as opposed to the traditional canned market. This occurred because large quantities were landed by trollers. Canned salmon, at $237.4 million, accounted for 64 percent of the total salmon wholesale value in 1981 but was only responsible for 40 percent in 1982 at $127.1 million.

In total 818,831 forty-eight pound cases of canned salmon were produced, a decrease of 55 percent compared to 1981. The wholesale value of the 1982 pack decreased by 46 percent. In 1982 sockeye salmon accounted for 67 percent, pinks 17 percent, chums 9 percent and others 7 percent of the number of cases produced. In terms of the wholesale value, sockeye accounted for 76 percent, pinks 13 percent, chums 5 percent and others 6 percent.

Fresh, mild cured, smoked and other specialty salmon products were also processed, along with salmon roe and salmon by-products. Together these products accounted for 11 percent of the total wholesale value of salmon production.

Salmonid mariculture production in British Columbia was tabulated for 1982. A total of 273 metric tons of coho and chinook with a wholesale value of $1,136,000 were produced. It should be noted that this production is included in the British Columbia totals.

TABLE 5 - LANDINGS OF SALMON BY SPECIES AND GEAR 1973 - 1982 [1]

(Round Weight in Tonnes)

GILLNET GEAR

	CHINOOK	SOCKEYE	COHO	PINKS	CHUMS	TOTAL	VALUE	NUMBER OF DELIV.	AVERAGE CATCH PER DELIV.	AVERAGE VALUE PER DELIV.
	(t)	(t)	(t)	(t)	(t)	(t)	($'000)	('000)	(kg)	($)
1973	1,204	15,276	1,796	2,719	15,705	36,751	40,288	109	263	168
1974	982	11,026	1,689	2,685	7,943	24,367	26,672	89	337	369
1975	1,031	4,223	1,524	2,353	2,845	12,014	15,014	61	274	300
1976	1,027	7,655	1,177	3,013	4,841	17,746	25,825	78	197	246
1977	1,129	10,793	1,357	5,470	3,229	22,028	34,416	83	228	331
1978	997	7,819	1,281	2,319	6,641	19,102	38,687	69	265	415
1979	886	7,435	774	2,146	2,151	13,430	34,796	52	277	561
1980	670	3,265	848	1,711	7,548	14,084	31,042	51	258	669
1981	652	9,031	562	4,660	3,182	18,153	39,222	53	342	740
1982	917	9,817	870	526	5,527	17,744	41,387	-	-	-

SEINE GEAR

	CHINOOK	SOCKEYE	COHO	PINKS	CHUMS	TOTAL	VALUE	NUMBER OF DELIV.	AVERAGE CATCH PER DELIV.	AVERAGE VALUE PER DELIV.
	(t)	(t)	(t)	(t)	(t)	(t)	($'000)	('000)	(kg)	($)
1973	583	5,784	2,084	7,943	16,943	33,339	31,817	17	2,204	972
1974	531	7,882	1,611	7,547	4,460	22,034	20,319	13	1,961	1,872
1975	558	1,152	1,901	6,026	2,483	12,128	11,934	10	1,695	1,563
1976	492	4,395	1,197	12,790	6,044	24,925	26,712	14	1,213	1,193
1977	926	6,237	1,981	12,814	2,696	24,661	29,697	16	1,780	1,908
1978	886	11,107	1,108	12,326	8,901	34,337	57,796	13	1,541	1,856
1979	903	5,861	1,539	13,983	2,425	24,717	42,522	12	2,641	4,446
1980	588	4,327	1,252	9,650	8,972	24,796	41,854	12	2,060	3,544
1981	774	11,636	1,430	24,297	2,847	40,994	63,864	10	4,099	6,386
1982	780	12,617	1,245	3,148	9,148	26,953	51,811	-	-	-

TABLE 5 - CONT'D

	TROLL GEAR								AVERAGE CATCH PER DELIV.	AVERAGE VALUE PER DELIV.
	CHINOOK	SOCKEYE	COHO	PINKS	CHUMS	TOTAL	VALUE	NUMBER OF DELIV.		
	(t)	(t)	(t)	(t)	(t)	(t)	($'000)	('000)	(kg)	($)
1973	5,769	467	7,370	2,644	115	16,368	27,893	132	107	123
1974	6,123	2,786	7,078	974	76	17,043	27,007	126	124	211
1975	5,701	305	4,312	1,861	60	12,241	19,965	121	135	214
1976	6,257	288	6,948	1,254	37	14,790	39,405	134	102	165
1977	5,467	358	6,519	6,439	107	18,893	44,612	147	110	294
1978	6,004	3,395	6,763	686	313	17,165	61,681	150	129	303
1979	5,056	1,236	8,029	8,567	175	23,067	83,215	163	114	411
1980	5,282	135	6,925	2,357	289	14,991	44,107	189	142	511
1981	4,490	333	5,522	9,296	128	19,774	54,984	164	121	335
1982	5,398	7,711	7,184	304	419	21,018	71,890	-	-	-

[1]Landings statistics for 1982 are provided by the Department of Fisheries and Oceans in a preliminary form and are subject to major revision. Number of deliveries and average delivery statistics by gear type are not yet available.

Note: Totals include steelhead.

TABLE 6 - PERCENT SALMON LANDINGS BY SPECIES AND GEAR - 1982 [1]

(Round Weight in Metric Tons)

SPECIES	Gillnet Quantity	%	Seine Quantity	%	Troll Quantity	%	Total Metric Tons
Chinook	917	12.9	780	11.0	5,398	76.1	7,095
Sockeye	9,817	32.6	12,617	41.9	7,711	25.6	30,145
Coho	870	9.4	1,245	13.4	7,184	77.3	9,299
Pinks	526	13.2	3,148	79.1	304	7.6	3,978
Chums	5,527	36.6	9,148	60.6	419	2.8	15,094
Steelhead	87	83.7	15	14.4	2	1.9	104
TOTAL	17,744	27.0	26,953	41.0	21,018	32.0	65,715

[1]Landings statistics are provided by the Department of Fisheries and Oceans in a preliminary form and are subject to major revision.

TABLE 7 - LANDED AND WHOLESALE VALUE OF SALMON BY PRODUCT TYPE 1973 - 1982

($'000)

	LANDED VALUE	CANNED	FRESH	FROZEN	ROE	OTHER	TOTAL WHOLESALE VALUE
1973	99,998	127,065	9,836	60,639	18,435	5,667	221,642
1974	73,998	114,312	5,868	30,216	11,890	3,555	165,841
1975	46,913	43,252	9,153	36,781	6,410	4,152	99,748
1976	91,942	91,733	11,018	60,959	16,056	7,278	187,045
1977	109,176 [1]	122,987	10,059	76,049	12,618	6,079	227,792
1978	158,686 [1]	115,913	14,584	134,416	24,202	14,904	304,019
1979	161,113 [1]	115,927	8,127	143,093	11,393	11,087	289,627
1980	117,149 [1]	146,828	10,429	109,300	13,209	9,341	289,107
1981	158,226 [1]	237,391	6,744	108,047	12,802	8,694	373,678
1982 [2]	165,193 [1]	127,126	10,633	155,762	9,829	11,988	315,338

[1]Includes salmon roe.
[2]Landed value is provided by the Department of Fisheries and Oceans in a preliminary form and is subject to major revision.

TABLE 8 - LANDED AND WHOLESALE VALUE OF SALMON BY SPECIES 1973 - 1982 [1]

	Quantity Landed in Metric Tons (Round Weight)	Landed Value ($'000)	Average Landed Price Per Kilogram ($)	Wholesale Value [2] ($'000)	Landed Value as a Percent of Wholesale Value (%)
CHINOOK					
1973	7,556	13,986	1.85	20,533	68.1
1974	7,637	13,803	1.81	18,864	73.2
1975	7,289	12,172	1.67	20,270	60.0
1976	7,776	22,919	2.95	29,314	78.2
1977	7,522	23,589	3.14	36,832	64.0
1978	7,887	29,461	3.74	35,897	82.1
1979	6,845	31,159	4.55	40,475	77.0
1980	6,540	24,307	3.72	38,427	63.3
1981	5,916	25,731	4.35	38,073	67.6
1982	7,095	31,199	4.40	41,495	75.2
SOCKEYE					
1973	21,526	26,497	1.23	69,009	38.4
1974	21,694	29,841	1.38	65,221	45.8
1975	5,681	8,184	1.44	19,538	41.9
1976	12,339	20,656	1.67	45,701	45.2
1977	17,388	32,218	1.85	65,579	49.1
1978	22,321	55,181	2.47	107,817	51.2
1979	14,532	43,307	2.98	81,008	53.5
1980	7,727	18,222	2.36	68,224	26.7
1981	21,000	54,577	2.60	131,030	41.7
1982	30,145	78,851	2.62	158,492	49.8
COHO					
1973	11,250	18,910	1.68	27,863	67.9
1974	10,378	13,834	1.33	24,375	56.8
1975	7,737	12,401	1.60	19,783	62.7
1976	9,322	21,331	2.29	29,906	71.3
1977	9,857	22,671	2.30	35,431	64.0
1978	9,152	27,269	2.98	41,023	66.5
1979	10,342	44,063	4.26	57,203	77.0
1980	9,025	23,078	2.56	43,645	52.9
1981	7,514	22,009	2.93	38,433	57.3
1982	9,299	26,139	2.81	42,595	61.4

TABLE 8 - CONT'D

	Quantity Landed in Metric Tons (Round Weight)	Landed Value ($'000)	Average Landed Price Per Kilogram ($)	Wholesale Value [2] ($'000)	Landed Value as a Percent of Wholesale Value (%)
PINKS					
1973	13,306	7,882	0.59	27,220	29.0
1974	11,207	5,791	0.52	22,215	26.1
1975	10,239	6,900	0.67	21,040	32.8
1976	17,056	12,124	0.71	37,085	32.7
1977	24,723	22,262	0.90	59,217	37.6
1978	15,331	12,835	0.84	39,544	32.5
1979	24,696	29,685	1.20	76,867	38.6
1980	13,718	15,118	1.10	58,655	25.8
1981	38,253	45,822	1.20	128,553	35.6
1982	3,978	3,195	0.80	17,813	17.9
CHUMS					
1973	32,762	32,670	1.00	56,554	57.6
1974	12,479	10,680	0.86	22,350	47.8
1975	5,389	7,206	1.34	11,588	62.2
1976	10,922	14,835	1.36	27,075	54.8
1977	6,032	7,905	1.31	16,676	47.4
1978	15,855	33,336	2.10	50,878	65.5
1979	4,751	12,243	2.58	21,262	57.6
1980	16,809	36,197	2.15	64,608	56.0
1981	6,157	9,781	1.59	22,271	43.9
1982	15,094	25,534	1.69	42,887	59.5
STEELHEAD					
1973	57	53	0.93	121	43.8
1974	49	49	1.00	101	48.5
1975	49	50	1.02	110	45.5
1976	47	77	1.64	139	55.4
1977	59	80	1.36	223	35.9
1978	57	82	1.44	258	31.8
1979	48	96	2.00	250	38.4
1980	52	81	1.56	248	32.7
1981	81	147	1.81	387	38.0
1982	104	170	1.63	520	32.7

[1]Landings statistics are provided by the Department of Fisheries and Oceans in a preliminary form and are subject to major revision.
[2]1979 to 1982 wholesale values include the value of imported salmon processed in B.C.

TABLE 9 - PRODUCTION AND UTILIZATION OF SALMON BY SPECIES 1981 - 1982

	1981			1982		
UNIT	QUANTITY	VALUE [1] ($'000)	AVERAGE PRICE [2] ($)	QUANTITY	VALUE [1] ($'000)	AVERAGE PRICE [2] ($)
SOCKEYE						
Canned.....48-lb. cases	622,490	109,043	175.17	548,998	97,241	177.12
Fresh Round.....000 kg	21	113	5.50	83	297	3.57
Fresh Dressed....000 kg	128	734	5.76	499	2,491	4.99
Frozen Round.....000 kg	-	-	-	*	*	-
Frozen Dressed...000 kg	2,962	18,415	6.22	9,757	52,262	5.36
Frozen Steaks....000 kg	- [3]	2	8.23	33	283	8.66
Mild Cured.....000 kg	120	1,451	12.10	463	3,255	7.03
Smoked.....000 kg	78	1,166	14.95	167	2,465	14.79
Other.....000 kg	-	106	-	-	198	-
TOTAL.....000 kg	-	131,030	-	-	158,492	-
PINKS						
Canned.....48-lb. cases	1,020,545	110,084	107.87	140,415	16,282	115.96
Fresh Round.....000 kg	5	6	1.34	*	*	-
Fresh Dressed....000 kg	144	377	2.62	43	117	2.73
Frozen Round.....000 kg	*	*	-	*	*	-
Frozen Dressed...000 kg	5,686	17,895	3.15	413	1,303	3.15
Frozen Steaks....000 kg	3	27	9.59	-	-	-
Mild Cured.....000 kg	-	-	-	*	*	-
Smoked.....000 kg	3	18	6.18	9	106	11.71
Other.....000 kg	-	146	-	-	5	-
TOTAL.....000 kg	-	128,553	-	-	17,813	-
CHUMS						
Canned.....48-lb. cases	87,866	8,465	96.34	74,127	5,790	78.11
Fresh Round.....000 kg	21	34	1.66	36	64	1.81
Fresh Dressed....000 kg	71	243	3.41	483	1,749	3.62
Frozen Dressed...000 kg	2,824	12,496	4.43	8,643	34,287	3.97
Frozen Steaks....000 kg	95	545	5.75	*	*	-
Mild Cured.....000 kg	*	*	-	*	*	-
Smoked.....000 kg	23	215	9.36	34	282	8.38
Other.....000 kg	-	273	-	-	715	-
TOTAL.....000 kg	-	22,271	-	-	42,887	-

TABLE 9 - CONT'D

	UNIT	1981 QUANTITY	1981 VALUE [1] ($'000)	1981 AVERAGE PRICE [2] ($)	1982 QUANTITY	1982 VALUE [1] ($'000)	1982 AVERAGE PRICE [2] ($)
COHO (& BLUEBACK)							
Canned	48-lb. cases	61,333	8,927	145.55	47,246	6,892	145.87
Fresh Round	000 kg	5	19	4.03	*	*	-
Fresh Dressed	000 kg	357	2,032	5.68	360	1,720	4.78
Frozen Dressed	000 kg	4,196	26,895	6.41	5,425	33,452	6.17
Frozen Steaks	000 kg	64	425	6.61	12	113	9.37
Mild Cured	000 kg	*	*	-	*	*	-
Smoked	000 kg	9	119	13.63	27	370	13.87
Other	000 kg	-	16	-	-	48	-
TOTAL	000 kg	-	38,433	-	-	42,595	-
CHINOOK							
Canned	48-lb. cases	7,839	823	105.01	7,661	878	114.61
Fresh Round	000 kg	7	41	5.87	*	*	-
Fresh Dressed	000 kg	485	3,136	6.46	604	4,176	6.92
Frozen Round	000 kg	-	-	-	*	*	-
Frozen Dressed	000 kg	3,738	31,013	8.30	4,013	33,398	8.33
Frozen Steaks	000 kg	1	12	13.85	*	*	-
Mild Cured	000 kg	50	595	11.80	16	230	14.73
Smoked	000 kg	234	2,084	8.89	270	2,720	10.05
Other	000 kg	-	369	-	-	93	-
TOTAL	000 kg	-	38,073	-	-	41,495	-
STEELHEAD							
Canned	48-lb. cases	472	49	104.22	384	43	111.98
Fresh Round	000 kg	*	*	-	*	*	-
Fresh Dressed	000 kg	2	8	4.49	3	13	3.97
Frozen Dressed	000 kg	56	322	5.76	86	418	4.89
Mild Cured	000 kg	-	-	-	*	*	-
Smoked	000 kg	*	*	-	3	44	14.48
Other	000 kg	-	8	-	-	2	-
TOTAL	000 kg	-	387	-	-	520	-

TABLE 9 - CONT'D

	UNIT	1981 QUANTITY	1981 VALUE [1] ($'000)	1981 AVERAGE PRICE [2] ($)	1982 QUANTITY	1982 VALUE [1] ($'000)	1982 AVERAGE PRICE [2] ($)
ALL SALMON [4]							
Canned	48-lb. cases	1,800,545	237,391	131.84	818,831	127,126	155.25
Fresh Round	000 kg	59	214	3.63	120	367	3.06
Fresh Dressed	000 kg	1,187	6,530	5.50	1,991	10,266	5.16
Frozen Round	000 kg	*	*	-	*	*	-
Frozen Dressed	000 kg	19,462	107,036	5.50	28,336	155,120	5.47
Frozen Steaks	000 kg	163	1,011	6.20	92	642	6.97
Mild Cured	000 kg	173	2,065	11.94	487	3,539	7.28
Smoked	000 kg	348	3,609	10.37	509	5,987	11.77
Salmon Roe	000 kg	1,541	12,802	8.31	1,315	9,829	7.47
Other Specialty Products	000 kg	-	790	-	86	642	7.47
Other [5]	000 kg	-	2,230	-	-	1,820	-
TOTAL	000 kg	-	373,678	-	-	315,338	-

[1]Note: Any discrepancies in VALUE($'000) figures are due to rounding.
[2]Average Price:
Canned Salmon $'s per 48-lb. case.
Other Salmon Products $'s per kg.
Value divided by quantity may not equal average price due to rounding.
[3]Less than 500 kg.
[4]Note: The total value of "ALL SALMON" includes such products as offal, oil, meal, caviar, etc. which could not be allocated to particular species. Also included are the values of some items where less than three companies are reported.
[5]Includes offal, offal meal, oil, viscera, heads, bait, milts, other products and the value of items where less than three companies reported.

*Confidential. Fewer than three companies reporting.

TABLE 10 - B.C. CANNED SALMON PRODUCTION BY REGION - 1982

(48 lb. Cases)

AREA	SOCKEYE	RED CHINOOK	PINK CHINOOK	WHITE CHINOOK	COHO	PINKS	CHUMS	STEELHEAD	TOTAL
North Coast	172,639	665	1,157	413	17,944	107,692	15,879	297	316,686
Fraser Area & South Coast	376,359	1,463	1,597	2,366	29,302	32,723	58,248	87	502,145
TOTAL	548,998	2,128	2,754	2,779	47,246	140,415	74,127	384	818,831

TABLE 11 - WHOLESALE VALUE OF SALMON BY SPECIES 1973 - 1982

($'000)

	SOCKEYE	CHUMS	PINKS	COHO	CHINOOK	STEEL-HEAD	NOT CLASSIFIED	TOTAL WHOLESALE VALUE
1973	69,009	56,554	27,220	27,863	20,533	121	20,342	221,649
1974	65,221	22,350	22,215	24,375	18,864	101	12,715	165,842
1975	19,538	11,588	21,040	19,783	20,270	110	7,419	99,741
1976	45,701	27,075	37,085	29,906	29,314	139	17,825	187,048
1977	65,579	16,676	59,217	35,431	36,832	223	13,834	227,745
1978	107,817	50,878	39,544	41,023	35,897	258	28,602	304,092
1979	81,008	21,262	76,867	57,203	40,475	250	12,562	289,619
1980	68,224	64,608	58,655	43,645	38,427	248	15,300	289,127
1981	131,030	22,271	128,553	38,433	38,073	387	14,931	373,607
1982	158,492	42,887	17,813	42,595	41,495	520	11,536	315,338

TABLE 12 - COMPARISON OF THE 1982 SALMON PACK TO THE TEN YEAR AVERAGE PACK

1973 - 1982

	1973 - 1982 Average	1982	Percentage Change
	48 lb. Cases	48 lb. Cases	%
Sockeye	470,799	548,998	+ 17
Pinks	473,226	140,415	- 70
Chums	133,199	74,127	- 44
Coho	77,518	47,246	- 39
Other	13,764	8,045	- 42
TOTAL	1,168,506	818,831	- 30

TABLE 13 - CANNED SALMON PACK IN B.C. BY SPECIES 1973 - 1982

(48 lb. Cases)

	SOCKEYE	PINKS	CHUMS	COHO	OTHER	TOTAL	WHOLESALE VALUE ($'000)
1973	642,601	355,695	423,364	116,197	12,257	1,550,114	127,065
1974	709,180	307,192	230,634	160,051	21,825	1,428,882	114,312
1975	164,055	240,592	37,093	61,081	14,549	517,370	43,252
1976	376,047	483,054	85,540	69,850	11,339	1,025,830	91,733
1977	494,172	686,911	61,309	74,180	30,395	1,346,967	122,987
1978	485,748	456,058	121,487	53,960	9,623	1,126,876	115,913
1979	295,858	569,337	33,689	43,061	13,280	955,225	115,927
1980	368,844	472,462	176,884	88,217	8,019	1,114,426	146,828
1981	622,490	1,020,545	87,866	61,333	8,311	1,800,545	237,391
1982	548,998	140,415	74,127	47,246	8,045	818,831	127,126

II. ANALYSIS BY SPECIES (CONT'D)

B) HERRING

Herring landings decreased from 38,149 tonnes in 1981 to 28,771 tonnes in 1982, a decrease of 25 percent. The overall landed value however only decreased 6 percent from $38.1 million to $35.7 million.

Specifically, roe herring landings decreased from 29,486 tonnes in 1981 to 27,654 tonnes in 1982, a decrease of 6 percent. The landed value of roe herring only decreased by 2 percent, from $35.9 million to $35.2 million. Food and bait herring landings declined dramatically from 8,663 tonnes in 1981 to only 1,116 tonnes in 1982. Reduced landings were due to the fact that poor markets existed for food herring in 1982, and in an attempt to rationalize the fishery and facilitate the best use of the resource, a reduced quota was implemented. Based upon recommendations from industry a vessel quota system of 50 tons was introduced. Thirty-one vessels participated in the fishery. The landed value of this fishery was $449,000 compared to $2.2 million in 1981.

The total wholesale value of herring production in 1982 was $86.4 million, an increase of 5 percent compared to the $82.5 million of 1981. The wholesale value of herring roe production was $80.9 million, up 10 percent from 1981. Including spawn on kelp, overall herring roe production accounted for 94 percent of the total wholesale value of herring production in 1982. The wholesale value of herring frozen for food was $1 million, which contributed only 1 percent to the total herring wholesale value. Bait herring at $1.5 million was responsible for 2 percent of the total wholesale value. Other products including kippers, fillets, meal and oil were valued at $3.1 million or 4 percent of the total.

TABLE 14 - ROE HERRING LANDINGS AND WHOLESALE VALUE OF ROE HERRING PRODUCTS

1973 - 1982

	LANDINGS [1] (t)	LANDED VALUE [1] ($'000)	WHOLESALE VALUE ROE ($'000)	SPAWN ON KELP ($'000)	FROZEN FOR ROE ($'000)	TOTAL WHOLESALE VALUE ($'000)
1973	50,960	10,523	24,262	-	4,294	28,556
1974	43,505	11,876	24,699	-	1,802	26,501
1975	53,293	13,812	24,081 [2]	100	5,836	30,017
1976	78,832	23,333	52,196 [2]	597	6,444	59,237
1977	73,485	29,542	73,292	1,407	1,405	76,104
1978	63,408	52,933	130,743	2,521	3,979	137,243
1979	37,480	126,866	182,304	5,011	5,163	192,478
1980	16,414	26,357	33,074	2,448	1,058	36,580
1981	29,486	35,928	69,946	3,308	- [3]	73,254
1982 [4]	27,654	35,246	76,963	3,900	-	80,863

[1]Includes spawn on kelp (1975 - 1982).
[2]Includes spawn off nets.
[3]Confidential - less than three companies reporting. Included in the total wholesale value in Table 15.
[4]Landings statistics are provided by the Department of Fisheries and Oceans in a preliminary form and are subject to major revision.

TABLE 15 - FOOD AND BAIT HERRING LANDINGS AND WHOLESALE VALUE OF FOOD AND BAIT HERRING PRODUCTS 1973 - 1982

	LANDINGS (t)	LANDED VALUE ($'000)	WHOLESALE VALUE FROZEN FOR FOOD ($'000)	BAIT ($'000)	TOTAL WHOLESALE VALUE [1] ($'000)
1973	4,665	428	2,627	362	6,085
1974	1,165	167	236	293	3,355
1975	6,361	772	674	611	4,916
1976	2,329	542	2,207	172	6,309
1977	23,805	4,156	8,353	449	13,960
1978	18,145	4,194	9,484	1,420	17,788
1979	6,181	2,131	3,204	2,133	9,455
1980	8,909	2,891	7,207	1,597	11,636
1981	8,663	2,177	5,516	1,480	9,197
1982 [2]	1,116	449	1,010	1,463	5,585

[1]Includes herring by-products.
[2]Landings statistics are provided by the Department of Fisheries and Oceans in a preliminary form and are subject to major revision.

II. ANALYSIS BY SPECIES (CONT'D)

C) HALIBUT

Halibut landings at Canadian ports declined 24 percent from 2,233 tonnes in 1981 to 1,698 in 1982. The landed value dropped 28 percent, from $6.6 million to $4.7 million. In addition to these landings, 692 tonnes of halibut valued at approximately $2.4 million were delivered by Canadian fishermen to U.S. ports. In 1981, 223 tonnes worth an estimated $654,000 were delivered to U.S. ports. In total 2,390 tonnes, valued at $7.1 million were landed by B.C. fishermen in 1982. The overall quantity and landed value decreased by less than 1 percent. It should noted that 1982 was the second year of a reciprocal agreement between Canada and the United States in which Canadians were phased out of Alaskan waters.

The total wholesale value of halibut processed in B.C. plants decreased in 1982 by 48 percent, from $10.5 million in 1981 to $5.5 million. In 1982, as in past years, frozen dressed halibut accounted for the majority of the wholesale value at 58 percent, but approximately 32 percent of the processed production was reported as fresh. Halibut fillets, fletches and blocks were also processed. Including halibut landed in U.S. ports by B.C. fishermen the total 1982 wholesale value of halibut declined by 30 percent from $11.2 million in 1981 to $7.9 million.

TABLE 16 - LANDINGS AND WHOLESALE VALUE OF HALIBUT IN B.C. [1]

1973 - 1982

	TOTAL LANDINGS (t)	LANDED VALUE ($'000)	AVERAGE LANDED PRICE PER kg ($)	WHOLESALE VALUE ($'000)
1973	4,491	7,348	1.64	9,613 [2]
1974	2,948	4,746	1.61	6,302 [2]
1975	3,538	7,055	1.99	9,803 [2]
1976	4,318	11,974	2.77	15,347 [2]
1977	2,818	8,278	2.94	9,756
1978	2,294	10,001	4.36	12,827
1979	2,410	14,004	5.81	17,692
1980	2,668	7,341	2.75	9,962
1981	2,233	6,592	2.95	10,548
1982 [3]	1,698	4,740	2.79	5,488

[1] Not including Canadian landings of halibut in Alaska and Washington.
[2] Includes the value of specialty items such as fish and chips, portions, fish sticks, etc.
[3] Landings statistics are provided by the Department of Fisheries and Oceans in a preliminary form and are subject to major revision.

II. ANALYSIS BY SPECIES (CONT'D)

D) GROUNDFISH

Domestic groundfish landings increased from 33,392 tonnes in 1981 to 34,229 tonnes in 1982, an increase of 3 percent. The landed value increased by 1 percent from $18.4 million to $18.5 million. The landed value of dogfish increased 327 percent in 1982, while flounder, lingcod, rockfish and sablefish experienced marginal increases. All other groundfish species showed decreased landed values. These statistics include domestic hake landings which declined to 2,041 tonnes in 1982 from 5,558 tonnes in 1981.

The wholesale value of groundfish decreased 11 percent from $41.3 million to $36.9 million in 1982. Traditional groundfish species processed in British Columbia continued to account for the majority of the total groundfish wholesale value. Sole, rockfish and greycod, displayed marginal declines. The wholesale value of sablefish continued to rise in 1982 and reached $7.1 million, an increase of 16 percent over $6.1 million recorded in 1981. Lingcod also showed an increased wholesale value for the second year in a row with a 41 percent increase over the 1981 value.

The wholesale value of many groundfish species continued to fluctuate in 1982. While flounder, skate and hake values showed dramatic decreases, turbot and particularly pollock recorded noticeable increases. Dogfish for the second year in a row recorded a dramatic shift, this year a 265 percent increase. It should be noted that the category "other groundfish" has been revised for 1981 and 1982 to include portions, sticks and specialties, and groundfish fish meal and oil.

The landed quantities and wholesale values of groundfish noted above do not include those of hake co-operative fishing arrangements with foreign nations. In 1982 a total of 19,616 metric tons worth $3.3 million was purchased by foreign countries through over-the-side sales from Canadian fishermen. This represents an increase of approximately 11 percent in landings and 12 percent in value over 1981.

TABLE 17 - COMPARATIVE WHOLESALE VALUES OF MAJOR GROUNDFISH SPECIES

1980 - 1982 [1]

SPECIES	1980 ($'000)	1981 ($'000)	1982 ($'000)
Sole	5,976	5,854	4,723
Rockfish [2]	9,066	8,257	5,399
Grey Cod	6,949	9,534	7,603
Ling Cod	2,400	2,612	3,685
Sablefish	5,205	6,090	7,081
Flounder	146	142	108
Skate	206	223	122
Pollock	1,839	1,687	2,084
Turbot	746	1,011	1,182
Hake [3]	428	1,790	555
Dogfish	2,389	381	1,392
Other Groundfish [3]	927	3,734 [4]	2,997 [5]
TOTAL	36,277	41,315	36,931

[1]Total wholesale value for 1980 has been revised, as hake production is now included.
[2]Includes "Pacific Ocean Perch", "Red Snapper" and Other Rockfish.
[3]Does not include over-the-side sales to foreign vessels in co-operative fishing arrangements.
[4]Revised "other groundfish" total now includes portions, sticks and specialties, and fish meal.
[5]Includes other groundfish, portions, sticks and specialties, and groundfish meal and oil.

II. ANALYSIS BY SPECIES (CONT'D)

E) SHELLFISH

Shellfish landings increased slightly from 7,353 tonnes reported in 1981 to 7,575 tonnes in 1982. This overall 3 percent increase reflects minor fluctuations in landings for most shellfish species. Reported shrimp and prawn landings, as well as crab, showed a significant drop while geoduck landings displayed a marked increase. The total landed value of shellfish dropped 7 percent from $10.7 million to $10 million.

The total wholesale value increased by 23 percent from $13.6 million to $16.7 million. Clams, including geoducks, accounted for 44.8 percent, shrimp and prawns 20.2 percent and crabs 19.6 percent. Oysters, abalone, octopus, sea urchins, squid, mussels and other shellfish accounted for the remainder. It should be noted that the wholesale value of shrimp and prawns does not reflect the fact that the majority are sold directly to consumers by fishermen.

TABLE 18 - COMPARATIVE WHOLESALE VALUES OF MAJOR SHELLFISH SPECIES

1980 - 1982

SPECIES	1980 ($'000)	1981 ($'000)	1982 ($'000)
Abalone	606	999	706
Clams [1]	2,280	693	2,343
Geoducks	3,585	3,769	5,162
Crabs	4,292	3,303	3,285
Octopus	165	55	51
Oysters	1,274	1,287	1,229
Shrimp	1,576	1,870	1,452
Prawns	831	1,239	1,929
Squid	151	38	20
Other [2]	535	366	559
TOTAL	15,295	13,619	16,736

[1]Includes horse clams.
[2]Includes mussels, sea urchins, and other shellfish.

II. ANALYSIS BY SPECIES (CONT'D)

F) OYSTER MARICULTURE PRODUCTION

The oyster industry in British Columbia is well established yet small employing approximately 300 persons full and part time. The species on which the industry is based is Crassostrea gigas the Pacific oyster, introduced from Japan in 1912-13. Historically, production remained low until over-fishing seriously depleted the native oyster stocks (Ostrea lurida) in the early 1930's, and the culture of Pacific oysters began in earnest. Oyster production increased fairly rapidly until it reached a peak of 5,927 tonnes in 1963 due to a Province-wide spawning and spatfall which occurred in 1958. By 1982 oyster production had declined to 1,579 metric tons. This decrease occurred because of a loss of productive growing areas as a result of pollution and inadequate seeding regimes by oyster growers.

Table 19 outlines ten years of British Columbia oyster production. Oyster prices have generally increased while actual production of oysters has declined. The exception has been with the production of the half shell oyster which has increased dramatically in the past few years and has more than doubled production from 40,000 dozen in 1981 to 104,000 dozen in 1982.

TABLE 19 - BRITISH COLUMBIA OYSTER PRODUCTION - 1973 - 1982

	Production [1] (metric tons)	Landed Value ($'000)
1973	4,787	875
1974	3,930	880
1975	3,246	883
1976	3,245	887
1977	2,998	981
1978	2,793	1,021
1979	2,231	893
1980	1,922	1,134
1981	1,415	1,030
1982	1,579	981

[1] 1973-1980 production data was provided by the Department of Fisheries and Oceans and 1981 and 1982 data was provided by the Shellfish Management and Development Section, Marine Resources Branch.

II. ANALYSIS BY SPECIES (CONT'D)

G) MAJOR SPECIES BY PRODUCT TYPE

TABLE 20 - LANDINGS AND PRODUCTS PROCESSED IN B.C. - 1982 [1]

SPECIES	UNIT OF MEASURE	QUANTITY	VALUE [2] ($'000)
ABALONE			
Landed:	000 kg	82	696
Processed:			
Abalone Products [3]		-	706
Total Wholesale Value		-	706
CLAMS			
Butter Clams Landed [4]	000 kg	-	-
Processed:			
Fresh or Frozen	000 kg	46	31
Meat; Fresh or Frozen	000 kg	20	70
Other [5]		-	6
Total Wholesale Value		-	107
Geoduck Clams Landed	000 kg	3,135	2,813
Processed:			
Live	000 kg	132	261
Neck Meat	000 kg	669	4,610
Body Meat	000 kg	304	271
Other [6]		10	20
Total Wholesale Value		-	5,162
Horse Clams Landed	000 kg	324	236
Processed:			
Horse Clam Products		-	430
Total Wholesale Value		-	430
Littleneck Clams Landed [4]	000 kg	-	-
Processed:			
Littleneck Clam Products [7]		-	1,671
Total Wholesale Value		-	1,671
Other Clams Landed	000 kg	657	591
Processed:			
Clam Products [8]		-	135
Total Wholesale Value		-	135
CRABS			
Landed	000 kg	895	2,345
Processed:			
In shell, Fresh	000 kg	386	1,524
In shell, Frozen	000 kg	77	332
Meat; Fresh	000 kg	37	704
Meat; Frozen	000 kg	16	312
Cooked	000 kg	95	395
Other [9]		-	18
Total Wholesale Value			3,285

TABLE 20 - CONT'D

SPECIES	UNIT OF MEASURE	QUANTITY	VALUE [2] ($'000)
DOGFISH			
Landed	000 kg	3,875	876
Processed:			
Fresh	000 kg	2,105	522
Flaps	000 kg	108	247
Backs	000 kg	521	546
Other Dogfish Products [10]		-	77
Total Wholesale Value		-	1,392
EULACHONS			
Landed	000 kg	14	10
Processed:			
Other Products [11]		-	13
Total Wholesale Value		-	13
FLOUNDER			
Landed	000 kg	186	61
Processed:			
Fresh	000 kg	58	26
Fillets, Fresh	000 kg	7	21
Fillets, Frozen	000 kg	16	61
Total Wholesale Value		-	108
GREY COD			
Landed [12]	000 kg	4,686	2,097
Processed:			
Fresh	000 kg	252	153
Frozen	000 kg	24	55
Fillets, Fresh	000 kg	965	3,022
Fillets, Frozen	000 kg	416	1,485
Roe	000 kg	2	2
Other [13]		-	2,886
Total Wholesale Value		-	7,603
HAKE			
Landed	000 kg	2,041	270
Processed:			
Fresh	000 kg	2,259	284
Frozen	000 kg	336	271
Total Wholesale Value		-	555
HALIBUT			
Landed (B.C. Ports)	000 kg	1,698	4,740
Processed:			
Fresh	000 kg	549	1,779
Frozen	000 kg	748	3,164
Fletches, Frozen	000 kg	4	26
Other [14]		-	519
Total Wholesale Value		-	5,488

TABLE 20 - CONT'D

SPECIES	UNIT OF MEASURE	QUANTITY	VALUE [2] ($'000)
HERRING			
Landed [15]	000 kg	28,771	35,694
Processed:			
Bait; Fresh or Frozen	000 kg	756	1,463
Frozen for Food	000 kg	1,397	1,010
Kippers and Kippered Snacks	000 kg	10	31
Body and Offal Meal	000 kg	3,453	2,102
Roe [16]	000 kg	4,417	76,963
Spawn on Kelp	000 kg	177	3,900
Other [17]		-	979
Total Wholesale Value			86,448
LING COD			
Landed	000 kg	4,041	2,439
Processed:			
Fresh	000 kg	293	450
Frozen	000 kg	402	693
Fillets; Fresh	000 kg	337	1,061
Fillets; Frozen	000 kg	365	1,144
Other [18]		-	337
Total Wholesale Value			3,685
OCTOPUS			
Landed	000 kg	18	39
Processed:			
Fresh	000 kg	7	20
Frozen	000 kg	4	9
Bait	000 kg	6	22
Total Wholesale Value		-	51
OYSTERS			
Landed	000 kg	1,579	981
Processed:			
Half Shell	dozen	104,172	242
Meat, Fresh, 8 oz.	000 kg	39	282
Meat, Fresh, 16 oz.	000 kg	7	55
Meat, Fresh, 32 oz.	000 kg	92	587
Meat, Fresh, 128 oz.	000 kg	7	46
Other [19]		-	17
Total Wholesale Value		-	1,229

TABLE 20 - CONT'D

SPECIES	UNIT OF MEASURE	QUANTITY	VALUE [2] ($'000)
PACIFIC OCEAN PERCH			
Landed	000 kg	5,646	1,910
Processed:			
Fresh	000 kg	1,034	510
Frozen	000 kg	120	188
Fillets, Fresh	000 kg	300	867
Fillets, Frozen	000 kg	261	878
Other		-	198
Total Wholesale Value		-	2,641
POLLOCK			
Landed	000 kg	911	228
Processed:			
Fresh	000 kg	47	10
Frozen	000 kg	28	24
Fillets, Fresh	000 kg	39	96
Fillets, Frozen	000 kg	187	577
Other [20]		-	1,377
Total Wholesale Value		-	2,084
PRAWNS			
Landed	000 kg	274	1,544
Processed:			
Fresh	000 kg	145	889
Frozen	000 kg	138	970
Tails, Frozen, Cooked	000 kg	3	36
Other [21]		-	34
Total Wholesale Value		-	1,929
RED SNAPPER			
Landed [22]	000 kg	-	-
Processed:			
Fresh	000 kg	68	117
Frozen	000 kg	36	56
Fillets, Fresh	000 kg	55	111
Fillets, Frozen	000 kg	41	80
Other [23]		-	57
Total Wholesale Value		-	421
ROCKFISH			
Landed	000 kg	4,669	1,967
Processed:			
Fresh	000 kg	258	450
Frozen	000 kg	35	41
Fillets, Fresh	000 kg	447	1,185
Fillets, Frozen	000 kg	230	660
Other		-	1
Total Wholesale Value		-	2,337

TABLE 20 - CONT'D

SPECIES	UNIT OF MEASURE	QUANTITY	VALUE [2] ($'000)
SABLEFISH			
Landed [12]	000 kg	4,142	6,904
Processed:			
Fresh	000 kg	27	59
Frozen	000 kg	110	318
Frozen Dressed, Japanese Cut	000 kg	1,575	5,309
Frozen Dressed, Western Cut	000 kg	227	689
Smoked, Dressed	000 kg	68	288
Smoked Fillets	000 kg	83	380
Other [24]		-	38
Total Wholesale Value			7,081
SALMON			
Landed [25]	000 kg	62,597	165,193
Processed:			
Fresh Round	000 kg	120	367
Fresh Dressed	000 kg	1,991	10,266
Frozen Dressed	000 kg	28,336	155,120
Frozen Fillets & Steaks	000 kg	92	642
Mild Cured	000 kg	487	3,539
Smoked	000 kg	509	5,987
Canned [26]	48 lb. case	818,831	127,126
Roe [27]	000 kg	1,315	9,829
Other Specialty Products		86	642
Other [28]		-	1,820
Total Wholesale Value		-	315,338
SEA URCHINS [29]			
Landed	000 kg	-	-
Processed:			
Sea Urchin Products		-	-
Total Wholesale Value		-	-
SHRIMP			
Landed	000 kg	413	644
Processed:			
Fresh	000 kg	92	416
Shrimp Meat, Fresh	000 kg	52	637
Shrimp Meat, Frozen	000 kg	24	243
Other [30]		-	156
Total Wholesale Value		-	1,452

TABLE 20 - CONT'D

SPECIES	UNIT OF MEASURE	QUANTITY	VALUE [2] ($'000)
SKATE			
Landed	000 kg	130	36
Processed:			
Fresh	000 kg	13	21
Frozen	000 kg	4	8
Wings	000 kg	59	93
Total Wholesale Value		-	122
SOLE			
Dover Sole Landed [31]	000 kg	-	-
Processed:			
Fresh or Frozen	000 kg	27	19
Fillets, Fresh	000 kg	55	275
Fillets, Frozen	000 kg	16	81
Total Wholesale Value		-	375
English Sole Landed [31]	000 kg	-	-
Processed:			
Fresh or Frozen	000 kg	12	15
Fillets, Fresh	000 kg	46	229
Fillets, Frozen	000 kg	23	119
Total Wholesale Value		-	363
Petrale Sole Landed [31]	000 kg	-	-
Processed:			
Fresh	000 kg	24	23
Frozen	000 kg	8	18
Fillets, Fresh	000 kg	17	103
Fillets, Frozen	000 kg	8	48
Total Wholesale Value		-	192
Rock Sole Landed [31]	000 kg	-	-
Processed:			
Fresh	000 kg	2	2
Fillets, Fresh	000 kg	125	639
Fillets, Frozen	000 kg	49	262
Other [32]	000 kg	8	21
Total Wholesale Value		-	924
Other Sole, Landed	000 kg	2,896	1,626
Processed:			
Fresh	000 kg	58	52
Frozen	000 kg	17	15
Fillets, Fresh	000 kg	185	957
Fillets, Frozen	000 kg	286	1,547
Other [33]		-	298
Total Wholesale Value		-	2,869

TABLE 20 - CONT'D

SPECIES	UNIT OF MEASURE	QUANTITY	VALUE [2] ($'000)
SQUID			
Landed	000 kg	29	22
Processed:			
Squid Products [34]		-	20
Total Wholesale Value			20
STURGEON			
Landed	000 kg	8	10
Processed:			
Fresh or Frozen	000 kg	6	16
Total Wholesale Value		-	16
TUNA			
Landed	000 kg	79	222
Processed:			
Fresh or Frozen	000 kg	37	179
Total Wholesale Value			179
TURBOT			
Landed	000 kg	530	110
Processed:			
Fillets, Fresh	000 kg	17	28
Fillets, Frozen	000 kg	90	238
Other [35]		-	916
Total Wholesale Value		-	1,182
MISCELLANEOUS FISH			
Landed [36]	000 kg	682	91
Processed:			
Other Products [37]		-	3,566
Total Wholesale Value		-	3,566

TABLE 20 - CONT'D - FOOTNOTES

[1]Landings statistics are provided by the Department of Fisheries and Oceans in a preliminary form and are subject to major revision.
[2]Any discrepancy in value figures is due to rounding.
[3]Includes fresh meat, abalone in the shell and other products.
[4]Included in "other clams".
[5]Includes chowder and canned products.
[6]Includes fresh or frozen meat and other products.
[7]Includes fresh or frozen whole clams and fresh or frozen meat.
[8]Includes fresh or frozen whole clams, fresh or frozen meat and bait.
[9]Includes canned and other products.
[10]Includes frozen, fins and tails, and other dogfish products.
[11]Includes fresh and frozen products.
[12]Quantity reported in round weight.
[13]Includes blocks and other products.
[14]Includes fresh and frozen fillets, frozen steaks and other products.
[15]Includes herring spawn on kelp.
[16]Includes mature and immature roe.
[17]Includes fresh, pickled, body and offal oil, solubles, fillets and other products.
[18]Includes blocks, frozen steaks, surimi and other products.
[19]Includes oysters in the shell, canned and other products.
[20]Includes blocks, roe, surimi and other products.
[21]Includes frozen cooked meat and whole frozen cooked prawns.
[22]Included in rockfish.
[23]Includes blocks and other products.
[24]Includes roe and other products.
[25]Includes salmon roe.
[26]Includes specialty packs.
[27]Includes "No. 1 Grade" and "other grades".
[28]Includes offal, offal meal, oil, viscera, heads, bait, milts and other products.
[29]Confidential. Less than three companies reporting. Landings and wholesale value included under "Miscellaneous Fish".
[30]Includes frozen shrimp and other products.
[31]Included in "other sole".
[32]Includes frozen and other products.
[33]Includes blocks and other products.
[34]Includes fresh or frozen for food and fresh or frozen bait.
[35]Includes fresh, blocks and other.
[36]Includes mink feed, reduction fish, crayfish, mussels, sea urchins, snails, starfish, idiotfish, plankton, shad and shark.
[37]Includes "other groundfish", "portions, sticks and specialty" products, smelts, mussels, sea urchins, "other shellfish", fish meal n.e.s., fish oil n.e.s., solubles, plankton and kombu.

III. LICENCING OF THE B.C. FISHING AND FISH PROCESSING SECTORS - 1982

1982 marked the first year in which a 5 year personal commercial fishing licence was issued by the Department of Fisheries and Oceans along with the usual 1 year type. The total number of personal commercial fishing licences issued decreased by less than 1 percent in 1982, from 17,454 to 17,298. This marks the third year in a row in which a decrease occurred.

Overall, the number of licences issued by the Department of Fisheries and Oceans in 1982 for commercial fisheries remained relatively constant. Minor fluctuations, however, did occur in some categories. It should be noted that the numbers shown on the following tables are only a record of the licences issued in that calendar year. These figures do not reflect the licences which were not renewed for that year, therefore the numbers will vary slightly from year to year.

TABLE 21 - THE NUMBER OF PERSONAL COMMERCIAL FISHING LICENCES ISSUED BY THE DEPARTMENT OF FISHERIES AND OCEANS: BY CITY 1980 - 1982 [1]

	1980	1981	1982	
			1 Year	5 Year
KAMLOOPS	4	2	6	
NEW WESTMINSTER	3,179	2,921	2,548	36
NANAIMO	3,520	3,414	3,226	240
PORT ALBERNI	1,591	1,255	1,418	
CAMPBELL RIVER	2,104	2,330	2,143	
KITIMAT	447	455	396	
PRINCE RUPERT	1,992	1,784	1,424	369
QUEEN CHARLOTTE	520	526	423	
VICTORIA	1,900	1,713	1,704	
VANCOUVER	3,552	2,997	2,086	1,228
WHITEHORSE	62	57	51	
TOTAL	18,871	17,454	15,425	1,873

[1]Information provided by the Licencing Section, Department of Fisheries and Oceans.

TABLE 22 - THE NUMBER OF LICENCES ISSUED FOR COMMERCIAL FISHERIES BY THE DEPARTMENT OF FISHERIES AND OCEANS: BY FISHERY AND LICENCE CATEGORY 1980 - 1982 [1]

FISHERY	LICENCE CATEGORY	1980	1981	1982
Salmon				
Non-Indian	A	4,165	4,171	4,112
Indian	AI	378	377	358
Temporary	B	286	192	168
Roe Herring				
Non-Indian	H	1,098	1,101	1,111
Indian	HI	460	462	460
Halibut	L	440	431	433
Groundfish Trawl	T	146	148	147
Shrimp Trawl	S	244	248	247
Sablefish	K	-	45	45
Abalone	E	26	26	26
Selected Species	C	1,054	1,119	1,072

[1] Information provided by the Licencing Section, Department of Fisheries and Oceans.

TABLE 23 - THE NUMBER OF FISH PROCESSING AND FISH BUYING LICENCES ISSUED BY THE MINISTRY OF ENVIRONMENT: BY LICENCE TYPE 1979 - 1981 [1]

LICENCE TYPE	1979	1980	1981
Salmon Cannery	22	18	19
Salmon Brine-Curing	3	8	11
Salmon Dry-Saltery	18	19	17
Tierced Salmon	2	1	-
Herring Cannery	2	2	3
Herring Dry-Saltery	7	14	13
Pickled Herring	9	13	10
Herring Reduction	8	4	4
Sport-Caught Fish Cannery	4	4	4
Shellfish Cannery	8	8	9
Tuna Cannery	2	2	2
Dogfish Reduction	-	-	-
Fish-Offal Reduction	9	7	8
Fish Cold Storage	80	92	91
Fish Processing	177	179	173
SUB TOTAL	351	371	364
Fish Buyer's Licence	651	672	595
Oyster Picking Permits	65	62	73
Marine Plant Harvesting Permits	20	30	27
Marine Plant Processing Permits	1	1	-
TOTAL	1,088	1,136	1,059

[1]Covers the fiscal year period from April 1 to March 31.

Note: The number of licences issued from 1979 - 1981 are included for comparative purposes with those new licences issued in 1982.

TABLE 24 - THE NUMBER OF FISH PROCESSING, FISH BUYING AND FISHERMAN'S VENDING LICENCES ISSUED BY THE MINISTRY OF ENVIRONMENT: BY LICENCE TYPE - 1982 [1]

	1982
Processing Licences	
Commercial Salmon Cannery	18
Sport Caught Salmon Cannery	2
Salmon	100
Roe Herring	44
Fin Fish	79
Invertebrates	68
Cold Storage:	
a. over 80 m^3	60
b. under 80 m^3	35
Buyer Licence Decals Issued	
Salmon	328
Roe Herring	285
Fin Fish	107
Invertebrates	86
Fisherman's Vending Licences	345
Oyster Picking Permits	73
Marine Plant Harvesting Permits	26

[1]Covers the fiscal year period from April 1 to March 31.

III. LICENCING (CONT'D)

The fiscal year 1982/83 marked a change in the number and type of licences issued by the Ministry of Environment. The number of processing licences were reduced from 15 assorted licences to eight. These include licences for commercial salmon canneries, sport caught salmon canneries, other salmon, roe herring, other fin fish, invertebrates, marine plants and cold storage facilities. The fish buying licence that formerly covered all species was separated into four categories; salmon, roe herring, other fin fish and invertebrates. Finally, a new licence termed a Fisherman's Vending Licence was introduced. This licence is required by each fisherman selling his/her catch directly to an individual not holding a fish buying licence. It covers any and/or all categories of fish except for bivalve molluscan shellfish, sold by fishermen to persons and/or companies not required to submit sales slips.

The number of fish processing plants licenced by the Ministry of Environment increased 18 percent in 1982, from 173 in 1981 to 205. The number of fish buying licences issued to persons and/or companies decreased from 595 to 546, a drop of 8 percent. In terms of the number of fish buying decals issued, 328 were for salmon, 285 for roe herring, 107 for other fin fish and 86 for invertebrates. A total of 345 Fisherman's Vending Licences were issued.

Finally, 73 oyster picking permits and 26 marine plant harvesting permits were issued by the Ministry of Environment.